

FORM PTO-1449  
MODIFIEDU.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
204763SERIAL NO.  
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APPLICANT  
Eberle et al.FILING DATE  
09/12/03

GROUP

## U.S. PATENT DOCUMENTS

| EXAMINER'S<br>INITIALS |    | PATENT<br>NUMBER | ISSUE DATE | NAME                      | CLASS | SUBCLASS | FILING DATE<br>IF<br>APPROPRIATE |
|------------------------|----|------------------|------------|---------------------------|-------|----------|----------------------------------|
| <i>A. S.</i>           | AA | 3,827,115        | 08/06/74   | Bom                       |       |          |                                  |
|                        | AB | 3,938,502        | 02/17/76   | Bom                       |       |          |                                  |
|                        | AC | 4,191,193        | 03/04/80   | Seo                       |       |          |                                  |
|                        | AD | 4,211,949        | 07/08/80   | Briskin et al.            |       |          |                                  |
|                        | AE | 4,456,013        | 06/26/84   | De Rossi et al.           |       |          |                                  |
|                        | AF | 4,576,177        | 03/18/86   | Webster, Jr.              |       |          |                                  |
|                        | AG | 4,582,067        | 04/15/86   | Silverstein et al.        |       |          |                                  |
|                        | AH | 4,645,961        | 02/24/87   | Malsky                    |       |          |                                  |
|                        | AI | 4,665,331        | 05/12/87   | Sudo et al.               |       |          |                                  |
|                        | AJ | 4,665,925        | 05/19/87   | Millar                    |       |          |                                  |
|                        | AK | 4,704,774        | 11/10/87   | Fujii et al.              |       |          |                                  |
|                        | AL | 4,728,834        | 03/01/88   | Kumar et al.              |       |          |                                  |
|                        | AM | 4,734,963        | 04/05/88   | K. Ishiyama               |       |          |                                  |
|                        | AN | 4,794,931        | 01/03/89   | Yock                      |       |          |                                  |
|                        | AO | 4,821,731        | 04/18/89   | Martinelli et al.         |       |          |                                  |
|                        | AP | 4,841,977        | 06/27/89   | Griffith et al.           |       |          |                                  |
|                        | AQ | 4,917,097        | 04/17/90   | Proudian, deceased et al. |       |          |                                  |
|                        | AR | 4,951,677        | 08/28/90   | Crowley et al.            |       |          |                                  |
|                        | AS | 4,975,607        | 12/04/90   | Hara et al.               |       |          |                                  |
|                        | AT | 5,042,493        | 08/27/91   | Saito et al.              |       |          |                                  |
|                        | AU | 5,044,053        | 09/03/91   | Kopel et al.              |       |          |                                  |
|                        | AV | 5,046,503        | 09/10/91   | Schneiderman              |       |          |                                  |
|                        | AW | 5,081,993        | 01/21/92   | Kitney et al.             |       |          |                                  |
|                        | AX | 5,109,860        | 05/05/92   | Gelly et al.              |       |          |                                  |
|                        | AY | 5,117,831        | 06/02/92   | Jang et al.               |       |          |                                  |
|                        | AZ | 5,174,296        | 12/29/92   | Watanabe et al.           |       |          |                                  |
|                        | BA | 5,176,141        | 01/05/93   | Bom et al.                |       |          |                                  |
|                        | BB | 5,183,048        | 02/02/93   | Eberle                    |       |          |                                  |
|                        | BC | 5,186,177        | 02/16/93   | O'Donnell et al.          |       |          |                                  |
|                        | BD | 5,199,437        | 04/06/93   | Langberg                  |       |          |                                  |
|                        | BE | 5,240,003        | 08/31/93   | Lancee et al.             |       |          |                                  |
|                        | BF | 5,243,988        | 09/14/93   | Sieben et al.             |       |          |                                  |
|                        | BG | 5,257,629        | 11/02/93   | Kitney et al.             |       |          |                                  |
|                        | BH | 5,273,045        | 12/28/93   | Chihara et al.            |       |          |                                  |
|                        | BI | 5,320,104        | 06/14/94   | Fearnside et al.          |       |          |                                  |
|                        | BJ | 5,351,691        | 10/04/94   | Brommersma                |       |          |                                  |

*A.S.**de Munn**5/29/4*

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|------------------------|----|------------------|------------|--------------------|-------|----------|----------------------------------|
| <i>a.s.</i>            | BK | 5,359,760        | 11/01/94   | Busse et al.       |       |          |                                  |
|                        | BL | 5,368,037        | 11/29/94   | Eberle et al.      |       |          |                                  |
|                        | BM | 5,402,791        | 04/04/95   | Saitoh et al.      |       |          |                                  |
|                        | BN | 5,423,220        | 06/13/95   | Finsterwald et al. |       |          |                                  |
|                        | BO | 5,453,575        | 09/26/95   | O'Donnell et al.   |       |          |                                  |
|                        | BP | 5,467,779        | 11/21/95   | Smith et al.       |       |          |                                  |
|                        | BQ | 5,479,930        | 01/02/96   | Gruner et al.      |       |          |                                  |
| <i>a.s.</i>            | BR | 5,493,541        | 02/20/96   | Snyder             |       |          |                                  |

## FOREIGN PATENT DOCUMENTS

|             |    | DOCUMENT<br>NUMBER | PUBLICATION<br>DATE | COUNTRY       | CLASS | SUBCLASS | TRANSLATION |     |
|-------------|----|--------------------|---------------------|---------------|-------|----------|-------------|-----|
|             |    |                    |                     |               |       |          | YES         | NO* |
| <i>a.s.</i> | CA | 1 402 192          | 02/22/72            | Netherlands   |       |          |             |     |
|             | CB | GB 2208138A        | 03/01/89            | Great Britain |       |          |             |     |
|             | CD | GB 2208138B        | 03/01/89            | Great Britain |       |          |             |     |
|             | CE | WO 88/09150        | 12/01/88            | WIPO          |       |          |             |     |
|             | CF | WO 89/04142        | 05/18/89            | WIPO          |       |          |             |     |
|             | CG | WO 93/02809        | 02/18/93            | WIPO          |       |          |             |     |
|             | CH | WO 93/15419        | 08/05/93            | WIPO          |       |          |             |     |
|             | CI | JP 54149615        | 11/24/79            | Japan         |       |          |             |     |
|             | CJ | EP 0145429         | 06/19/85            | EPO           |       |          |             |     |
|             | CK | EP 0671221         | 09/13/95            | EPO           |       |          |             |     |
| <i>a.s.</i> | CL | GB 2287375A        | 09/13/95            | Great Britain |       |          |             |     |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|             |    |  |
|-------------|----|--|
| <i>a.s.</i> | DA | Lockwood et al., "A 45 to 55 MHz Needle-Based Ultrasound System for Invasive Imaging," <u>Ultrasonic Imaging</u> , 15 (1), 1-13 (January 1993)           |
|             | DB | Martin et al., "An Ultrasonic Catheter for Intravascular Measurement of Blood flow: Technical Details," <u>IEEE, SU 27 (6)</u> , 277-286 (November 1980) |
|             | DC | Black et al., "CMOS Chips for Invasive Ultrasound Imaging," <u>IEEE Journal of Solid-State Circuits</u> , 29 (11), 1381-1387 (November 1994)             |
|             | DD | Bom et al., "Early and Recent Intraluminal Ultrasound Devices," <u>International Journal of Cardiac Imaging</u> , 4, 79-88 (1989)                        |
| <i>a.s.</i> | DE | O'Donnell et al., "Experimental Studies on an Efficient Catheter Array Imaging System," <u>Ultrasonic Imaging</u> , 17 (2), 83-94 (1995)                 |

\*A concise statement of relevance is being submitted in lieu of a translation. 37 CFR § 1.98(b).  
1449FORM (Rev. 3/6/96)

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5/29/4